

06930400 SHANGHAI SPRING NEAR WAYNESVILLE, MO  
(Ambient water-quality monitoring network)

## WATER-QUALITY RECORDS

LOCATION.--Lat 37°45'54", long 92°01'00", in sec.24, T.36 N, R.11 W., Pulaski County, Hydrologic Unit 10290202.  
Take exit 163 south outer road east toward Devil's Elbow, turn right on first gravel road, continue about 5 mi until you reach a wooden bridge.

PERIOD OF RECORD.--November 1993 to current year.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

		DIS-CHARGE, INST. (CUBIC FEET PER SECOND) (00061)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	OXYGEN, DIS-SOLVED (PER-CENT SOLVED (mg/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (mg/L) (00340)	COLI-FORM, FECAL, 0.7 µm-MF (COLS./ 100 mL) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 mL) (31673)	ALKA-LINITY WAT WH TOT FET FIELD (mg/L as CaCO <sub>3</sub> ) (00410)
DEC 06...	1230	18	14.0	473	7.3	6.8	67	--	62	K8	219
JAN 31...	1422	50	13.0	440	7.4	7.5	70	<10	56	K17	122
MAR 18...	1248	17	13.5	430	7.1	7.0	67	--	K1	K8	191
APR 12...	1430	26	13.0	302	7.2	7.2	68	--	21	40	123
JUN 11...	1400	38	14.0	361	7.1	7.5	72	<10	300	310	152
AUG 26...	1200	28	15.0	425	7.3	6.4	63	--	60	250	182

DATE	BICAR- BONATE WATER WH IT FIELD (mg/L as HCO <sub>3</sub> ) (00450)	CAR- BONATE WATER WH IT FIELD (mg/L as CO <sub>3</sub> ) (00447)	NITRO- GEN, NO <sub>2</sub> +NO <sub>3</sub> TOTAL (mg/L as N) (00630)	NITRO- GEN, NITRITE TOTAL (mg/L as N) (00615)	NITRO- GEN, AMMONIA TOTAL (mg/L as N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (mg/L as N) (00625)	PHOS- PHORUS TOTAL (mg/L as P) (00665)	PHOS- PHORUS ORTHO TOTAL (mg/L as P) (70507)	HARD- NESS TOTAL (mg/L as CaCO <sub>3</sub> ) (00900)	CALCIUM DIS- SOLVED (mg/L as Ca) (00915)
DEC 06...	271	0	2.50	<0.010	0.010	<0.20	0.200	0.210	--	--
JAN 31...	149	0	1.70	0.010	0.030	<0.20	0.100	0.100	150	31
MAR 18...	235	0	2.40	<0.010	0.030	<0.20	0.130	0.150	--	--
APR 12...	146	0	1.80	<0.010	0.010	0.21	0.100	0.100	--	--
JUN 11...	186	0	1.80	0.010	0.020	<0.20	0.180	0.190	170	37
AUG 26...	226	0	1.90	<0.010	<0.010	<0.20	0.230	0.230	--	--

DATE	MAGNE- SIUM, DIS- SOLVED (mg/L as Mg) (00925)	SODIUM, DIS- SOLVED (mg/L as Na) (00930)	POTAS- SIUM, DIS- SOLVED (mg/L as K) (00935)	SULFATE DIS- SOLVED (mg/L as SO <sub>4</sub> ) (00945)	CHLO- RIDE, DIS- SOLVED (mg/L as Cl) (00940)	FLUO- RIDE, DIS- SOLVED (mg/L as F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (mg/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (mg/L) (00530)	ALUM- INUM, TOTAL RECOV- ERABLE (µg/L as Al) (01105)	ALUM- INUM, DIS- SOLVED (µg/L as Al) (01106)
JAN 31...	18	11	1.7	11	19	0.10	220	11	690	<20
JUN 11...	20	6.4	1.7	8.7	15	0.10	248	5	120	4.6

DATE	CADMIUM TOTAL RECOV- ERABLE (µg/L as Cd) (01027)	CADMIUM DIS- SOLVED (µg/L as Cd) (01025)	COPPER, DIS- SOLVED (µg/L as Cu) (01040)	IRON, DIS- SOLVED (µg/L as Fe) (01046)	LEAD, TOTAL RECOV- ERABLE (µg/L as Pb) (01051)	LEAD, DIS- SOLVED (µg/L as Pb) (01049)	MANGA- NESE, DIS- SOLVED (µg/L as Mn) (01056)	MERCURY TOTAL RECOV- ERABLE (µg/L as Hg) (71900)	ZINC, TOTAL RECOV- ERABLE (µg/L as Zn) (01092)	ZINC, DIS- SOLVED (µg/L as Zn) (01090)
JAN 31...	<1	<1.0	<1.0	3.0	1	<1.0	<1.0	<0.10	<4	<4.0
JUN 11...	<1	<1.0	<1.0	3.0	1	<1.0	0.90	<0.10	2	1.3

K--Results based on colony count outside the acceptable range (non-ideal colony count).